

Potential Program Areas - All Sectors

Last Updated 2023-04-10

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Sonoma County Regional Climate Protection Initiative

- 1) Reach carbon neutrality in the shortest time possible to protect natural and human communities.
- 2) Adapt to the negative impacts of climate change to safeguard our families and communities.
- 3) Embed resilience actions into all activities to ensure a just transition to a low-carbon economy.

Sector-Specific: Buildings

Buildings: Upgrades	Buildings: Electric Vehicles	Buildings: Local Government
Invest in comprehensive electrification, efficiency, and resilience upgrades for existing residential, commercial, and municipal buildings to reduce greenhouse gas emissions and protect against climate impacts.	Invest in electric vehicle charging infrastructure that serves the greatest number of residents for which charging is a limiting factor.	Support local government efforts to facilitate comprehensive electrification, efficiency, and resilience upgrades and expand electric vehicle charging infrastructure for use by local residents.

Sector-Specific: Transportation

Transportation: Infrastructure	Transportation: Transit	Transportation: Personal Mobility
Invest in bicycling and pedestrian improvements that increase actual and perceived user safety and convenience.	Invest in transit operations that improve reliability and frequency of service for all residents and visitors.	Invest in programs that increase personal mobility through active transportation, transit use, or ride sharing.

Sector-Specific: Land and Water

Land and Water: Sequestration	Land and Water: Mitigation	Land and Water: Water-Related
Invest in efforts that increase carbon sequestration on natural lands, working lands, and developed areas while also enhancing climate resilience and preserving ecosystem functions.	Invest in efforts that reduce greenhouse gas emissions from natural lands, working lands, and developed areas while also enhancing climate resilience and preserving ecosystem functions.	Invest in water-related climate adaptation improvements to increase the long-term resiliency of countywide water operations and facilities, and green infrastructure such as watersheds, waterways, floodplains, and wetlands.

Cross-Sector: Public Education and Training

Buildings: Education	Transportation: Education	Land and Water: Education
Educate and advise local residents and building owners on zero-emission appliance upgrades and other resilience improvements.	Educate local residents, homeowners, and employees on zero-emission transportation and other personal mobility options.	Educate local land owners on land and water-focused climate resilience opportunities.

Cross-Sector: Workforce Development and Protections

Buildings: Workforce	Transportation: Workforce	Land and Water: Workforce
Provide workforce training for building contractors and employees on electrification and resilience improvements, while also working to protect outdoor workers.	Provide workforce training on zero-emission vehicle repair and transit operations, while also working to protect workers.	Provide workforce training on enhanced land management techniques, while also working to protect outdoor workers.

Cross-Sector: Social Equity Commitments and Guardrails

Buildings: Equity	Transportation: Equity	Land and Water: Equity
Ensure all members of the community benefit from electrification and resilience upgrades, especially low-income residents and renters.	Ensure all members of the community benefit from transportation upgrades, especially low-income residents and those without vehicles.	Invest in climate adaptation improvements to increase the long-term resiliency of Sonoma County's most vulnerable people.

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Buildings: Local Government

Support local government efforts to facilitate comprehensive electrification, efficiency, and resilience upgrades and expand electric vehicle charging infrastructure for use by local residents.

Examples of such projects include:

Buildings: Equity

Ensure all members of the community benefit from electrification and resilience upgrades, especially low-income residents and renters.

Examples of such projects include:

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TERMS IN NEED OF DEFINITION OR CLARIFICATION:

Climate Resilience - need consistent definition across sectors

					Make it easier and more affordable to build "green"
					Better define how to "protect workers from extreme heat impacts"

Potential Program Areas - Transportation

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Transportation: Infrastructure Improvements
Invest in bicycling and pedestrian improvements that increase actual and perceived user safety and convenience.
Examples of such projects include:
Close gaps in the bicycle network to increase safety
Improved maintenance on bikeways and sidewalks
Improved walkways pedestrian facilities at transit and activity centers
Improved bikeways and walkways around schools
Increased bicycle parking at key shopping, entertainment, and employment destinations
Improved wayfinding and route signage for bicyclist and pedestrians
Fund quick build projects (low-cost improvements for demonstration, e.g., paint and temporary barriers)
Install traffic calming measures, i.e. speed tables

Transportation: Transit Operations
Invest in transit operations that improve reliability and frequency of service for all residents and visitors.
Examples of such projects include:
Expanded hours of transit service operations and reducing the headway times between buses (extended hours and increased frequency)
Reduced or eliminated transit fares for some or all rider groups
Seamless user experience on local and regional transit
Increased zero emission vehicles in transit, school, and municipal fleets
Evaluation of on-demand transit service for rural areas
Expanded Express Bus Service along high-profile routes
Improve bus speeds and on-time performance (preferential treatment for buses on local roadways like queue jump lanes, signal preemption, bus rapid transit (BRT), etc.)
Real-time transit arrival signage
Free wi-fi on buses and trains
Added capacity for bikes on buses and trains
Increase school bus programs
Expanded bus routes (increased coverage)

Transportation: Personal Mobility
Invest in programs that increase personal mobility through active transportation, transit use, or ride sharing.
Examples of such projects include:
Expanded bike and scooter sharing with subsidized memberships through employers and housing developments
Expanded Employer Commute Programs offering shuttle connections between work sites and transit hubs
Expand Employer Commute Programs with financial incentives for employees to take transit to work
Offer of E-bike incentives for local residents, students, and employees

Transportation: Education
Educate local residents, homeowners, and employees on zero-emission transportation and other personal mobility options.
Examples of such projects include:
Promotion of Safe Routes to Schools educational programs for local students and families
Staff for building capacity and culture around active transportation
Bus camp to teach kids to take the bus, use bus to go on excursions

Transportation: Workforce
Provide workforce training on zero-emission vehicle repair and transit operations, while also working to protect workers.
Examples of such projects include:
Create a bike barn for bike repair, including education and training for e-bikes and cargo bikes
Training programs for electric bus mechanics, bus operators, train engineers

Transportation: Equity
Ensure all members of the community benefit from transportation upgrades, especially low-income residents and those without vehicles.
Examples of such projects include:
Incentivize Clipper START program
Prioritize criteria that advances projects or transit expansion in equity priority communities.

Additional Ideas for Consideration:

Bicycle and Pedestrian Improvements - Improve bicycle parking at transit hubs

Bicycle and Pedestrian Improvements - Improve bicycle connections to transit hubs

Bicycle and Pedestrian Improvements - Require bicycle lockers/racks at park and ride lots

Bicycle and Pedestrian Improvements - Require large commercial developments to install showers and lockers for employees commuting by bicycle

Bicycle and Pedestrian Improvements - Require commercial developments to install sufficient bicycle parking at work site with protection from the weather and in a safe location easily accessed by bicyclists

Bicycle and Pedestrian Improvements - Expand Employer Commute Programs with financial incentives for employees who bicycle to work

Bicycle and Pedestrian Improvements - Require or encourage new bikeshare infrastructure in conjunction with other public projects and new infrastructure and development, as applicable

Bicycle and Pedestrian Improvements - Consider reducing parking requirements when bike share is included in new developments

Bicycle and Pedestrian Improvements - Include bike share information on any web-based transit trip planning tools or informational sites

Bicycle and Pedestrian Improvements - Educate residents about how to use bike share as a transportation alternative, especially in communities with lower incomes and non-English speakers

Transit Measures - Extend rail transit service (SMART)

Transit Measures - Expand bulk discount pass programs for employers, housing developments, and institutions

Land Use Improvements - Cluster high density housing and services near transit hubs and promote compact mixed use development

Land Use Improvements - Develop transportation investment criteria that supports 4-d development strategy (density, diversity, design, destinations)

Land Use Improvements - Encourage infill development and carbon efficient design

Land Use Improvements - Work to overcome Jobs Housing imbalance with new job development accompanied by new housing suitable for jobs added

Land Use Improvements - Encourage smaller less centralized locations for daily goods and services (small neighborhood groceries, clinics providing daily/routine procedures away from hospitals, etc.)

Land Use Improvements - Implement Housing Assistance Program to provide appropriate employee housing near employer

Ridesharing - Increase amenities at park and ride facilities, including secure bike lockers, EV charging, ridematch, and transit marketing

Ridesharing - Adopt policies requiring any public partnerships with TNC's to favor ridesharing over individual rides

Travel Demand Management - Conduct outreach to encourage employers to implement commute programs

Travel Demand Management - Adopt TDM ordinance with requirements for SOV reduction measures, including GreenTrip options for local municipalities, employers, and developers

Travel Demand Management - Conduct public education programs such as travel choice

Travel Demand Management - Promote telecommuting

Travel Demand Management - Promote school based TDM (school pool, Safe Routes to Schools)

Travel Demand Management - Implement carsharing, and other shared mobility programs at new high-density developments in transit rich areas

Travel Demand Management - Consider reducing parking requirements when carshare is included in new developments

Pricing - Charge for parking at activity centers (town centers, employers, shopping centers, etc.)

Pricing - Unbundle parking from residential and commercial leases

Pricing - Implement congestion pricing

Pricing - Support increases in gas tax or user fees on regional, state, and federal level

Transportation Technology Improvements - Increase zero emissions fleets for transit, school, and municipal vehicles

Transportation Technology Improvements - Increase fuel efficiencies

Transportation Technology Improvements - Accelerated school bus replacement

Transportation Technology Improvements - Carbon offsets

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